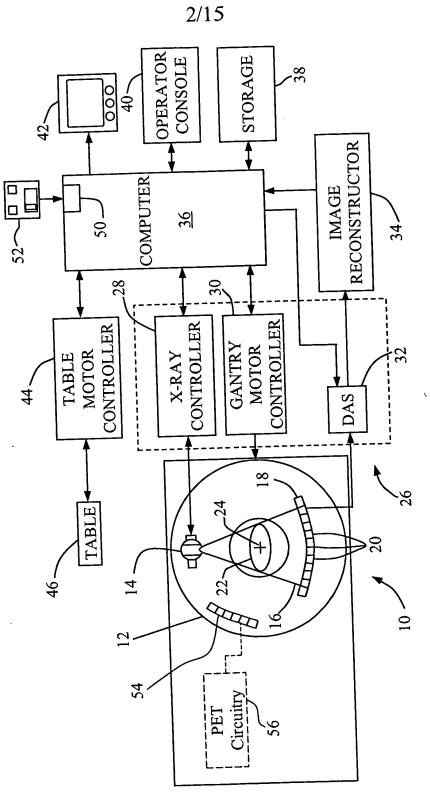


FIG. 1







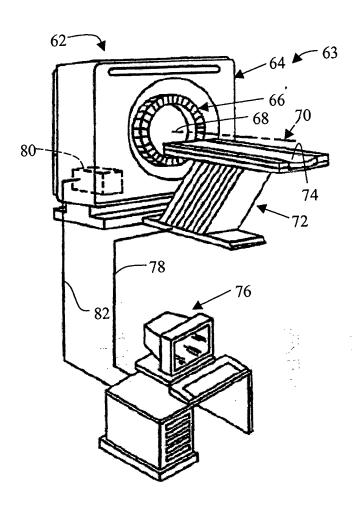


FIG. 3

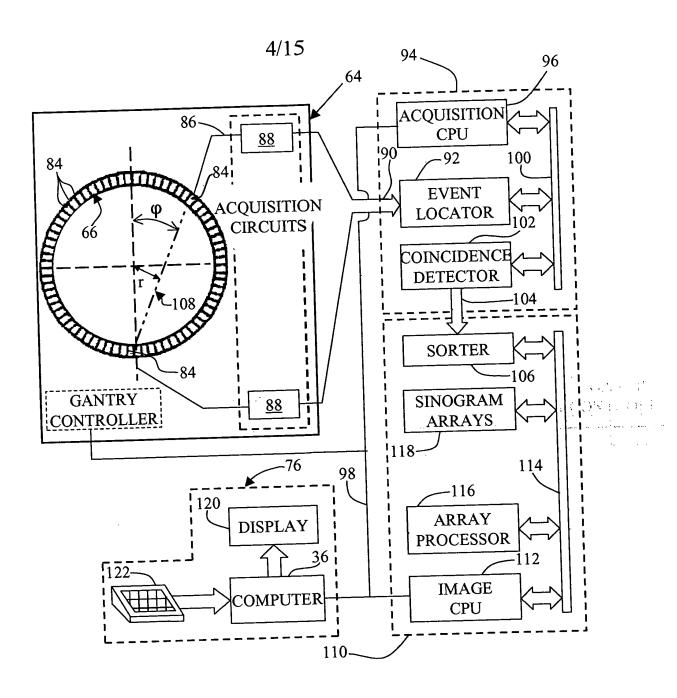


FIG. 4

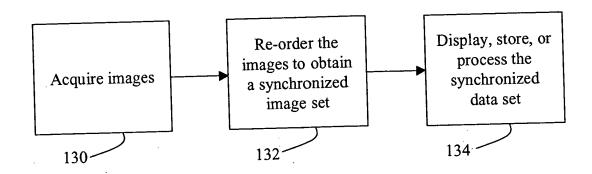
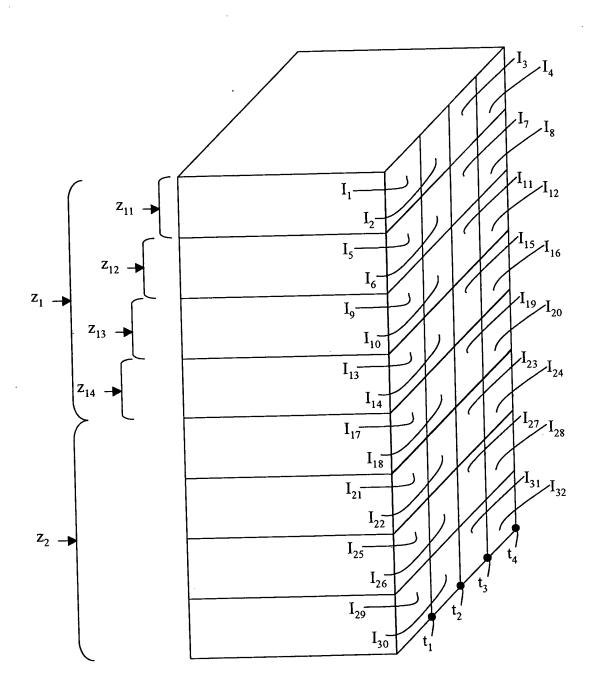


FIG. 5







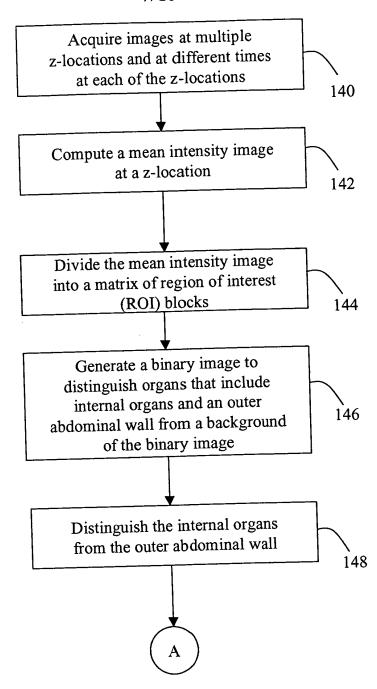


FIG. 7



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Select ROI blocks from the binary image based on pre-determined criteria

Measure mean intensity values at different times for each of the selected ROI blocks and plot the mean intensity values versus time 150

.152

154

156

158

Calculate maximas, minimas, or both maximas and minimas for each plot

Select reference times at which there is at least one of a highest number of occurrences of the maximas and a highest number of occurrences of the minimas

Of high points around the maximas and a range of low points around the minimas

 \bigcirc B

FIG. 8

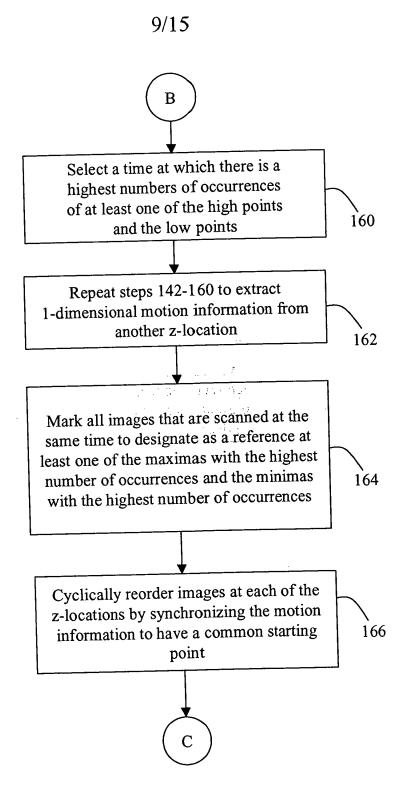


FIG. 9



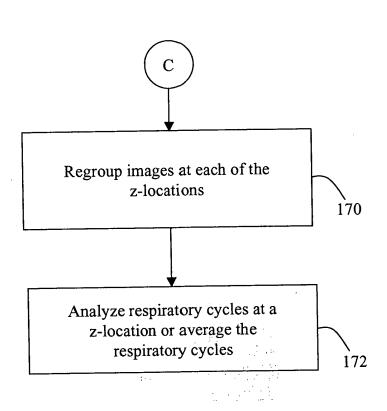
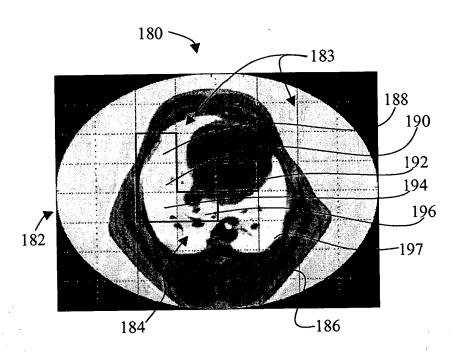


FIG. 10





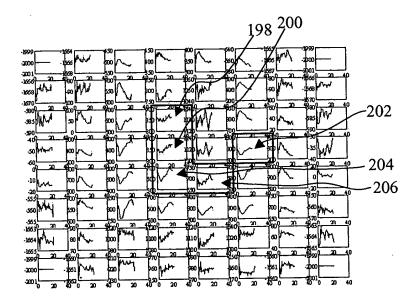
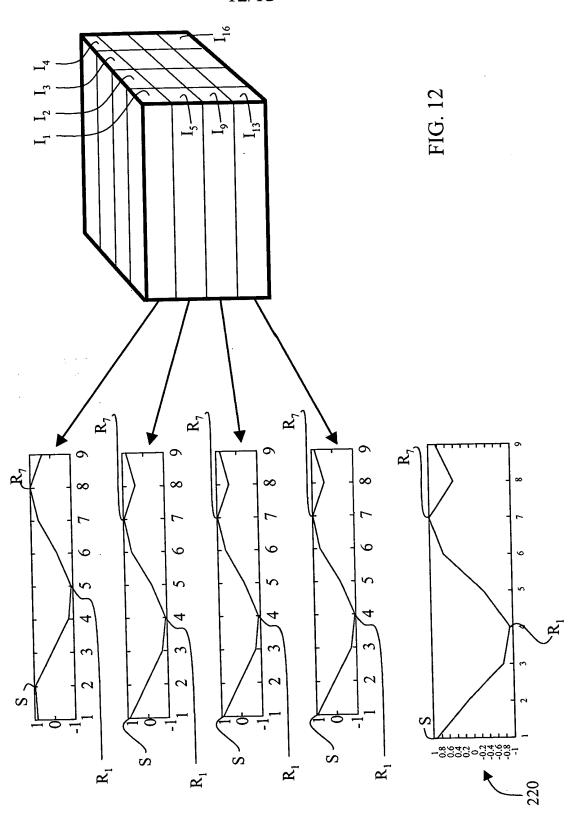


FIG. 11







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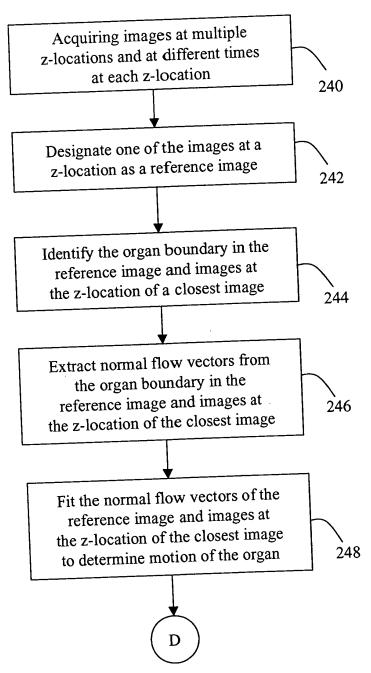


FIG. 13



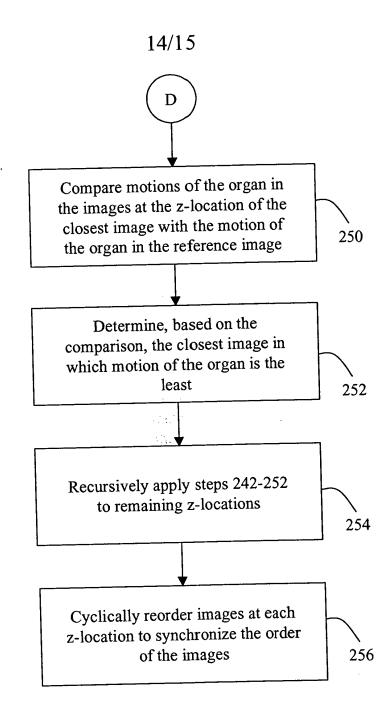
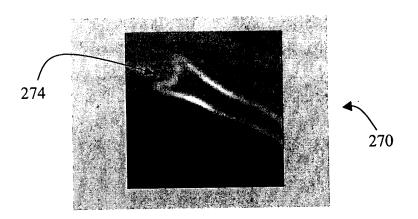
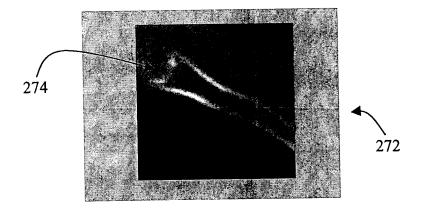


FIG. 14



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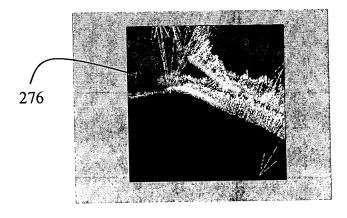


FIG. 15

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